09-5330.00 TWENTY-ONE MILE WASTEWAY (VALLEY DIVISION, YUMA PROJECT)

DESCRIPTION: Water-stage recorder and control weir on wasteway from West Main Canal to Colorado River. Located on east side of levee at site used prior to May 1, 1971. The site used May 1, 1971 to September 20, 1977 was located 61 meters downstream from present site on west side of levee. This wasteway is located in Arizona, 29.8 kilometers downstream from the northerly international boundary, 28.0 kilometers downstream from Morelos Diversion Dam, and 3.5 kilometers upstream from the southerly international boundary. It is the farthest downstream of the two wasteways discharging waste water from the Valley Division of the Yuma Project in the United States into the limitrophe section of the Colorado River. The elevation of the zero of the gage at the new location has not been determined.

RECORDS: Flow is computed from head on the weir measured by the water-stage recorder and weir rating determined by current meter measurements. Station operated by the United States Section of the Commission. Records available: Daily discharge, January 1951 through 2001, obtained by the United States Section; monthly discharge, March 1939 through 1950, by Bureau of Reclamation.

REMARKS: This wasteway was completed and flow began March 14, 1939. Since May 13, 1944, waste water from the West Main Canal which previously discharged across the southerly land boundary has been returned to the Colorado River through this wasteway. The West Main Canal Wasteway was completed in February of 1971, and the waste water from the West Main Canal is normally discharged across the southerly land boundary.

EXTREMES: Prior to January 1951, maximum monthly discharge 3,528 TCM in January 1946; minimum monthly discharge, 150 TCM in September 1950. Since January 1, 1951, maximum instantaneous discharge, 2.89 CMS on January 24, 1954, at a maximum gage height of 29.095 meters (old datum); minimum instantaneous discharge, zero during a part of most months.

MEAN DAILY DISCHARGE IN CUBIC METERS PER SECOND 2001 --- ANNUAL AND PERIOD SUMMARY

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.24	0	0	0	0	0	0	0	0	0.24	0.18	0.33
2	0	0	0	0	0	0	0	0	0	.32	.55	1.06
3	.01	0	0	.02	0	0	0	0	0	.07	.22	.29
4	.29	0	0	.02	0	0	0	0	0	.10	.20	.03
5	.38	0	0	.02	0	0	0	0	0	.26	.64	.19
6	.04	0	0	.01	.24	0	0	0	0	.27	.20	.12
7	.05	0	0	.02	.10	0	0	0	0	.44	.32	.50
8	0	0	0	.01	0	0	0	0	0	.23	.48	.46
9	0	0	0	.01	0	0	0	0	0	.31	.59	.39
10	0	0	0	0	0	0	0	0	0	.11	.75	.34
11	0	0	0	0	0	0	0	0	0	.39	.64	.04
12	0	0	0	0	0	0	0	0	0	.29	.65	.31
13	0	0	0	0	0	0	0	0	0	.37	.49	.48
14	0	0	.31	0	0	0	0	0	0	.25	.52	.44
15	0	0	.19	0	0	0	0	0	.05	.53	.39	.25
16	0	0	.11	0	0	0	0	0	0	.47	.27	.33
17	0	0	.08	0	0	0	0	0	.12	.70	.14	.36
18	0	0	.01	0	0	0	0	0	.17	.45	.58	.25
19	0	0	.11	0	0	0	0	0	.06	.19	.30	.19
20	0	0	0	0	0	0	0	0	0	.02	.14	.06
21	0	0	0	0	0	0	0	0	0	.47	.30	.07
22	0	0	0	0	0	.17	0	0	0	.32	.45	.30
23	0	0	.12	0	0	.10	0	0	.10	.44	.35	.57
24	0	0	.01	0	.54	.09	0	0	.02	.35	.31	.56
25	0	0	.01	0	.32	.06	0	0	0	.29	.46	.45
26	0	0	.01	0	.09	.11	0	0	0	.46	.37	.14
27	0	0	.01	0	.14	.06	0	0	0	.38	.25	.44
28	0	0	.01	0	.13	.02	0	0	0	.23	.12	.45
29	0		.12	0	.14	0	0	0	0	.27	.38	.27
30	0		.12	0	.08	0	.04	0	0	.18	.26	.21
31	0		.02		0		0	0		.42		.47
Sum	0		0.11		0.61		0			9.82		10.35
	1.01		1.24		1.78		0.04		0.52		11.50	

Current Year 2001						Period 1999-2001		
	Extreme Gage Meters		Extreme-Cubic Meters per Second			Volume-Thousand Cubic Meters		
Month	High	Low	High Day	Low Day	Average	Total	Average	Maximum	Minimum
Jan.	0.490	0	5	0.98	! 2	0	0.03	87.3	621	3,528	0
Feb.	0	0	! 1	0	! 1	0	0	0	524	3,096	0
Mar.	.415	0	23	.74	! 1	0	.04	107	479	2,048	0
April	.085	0	3	.06	! 1	0	0	9.5	512	2,393	0
May	.575	0	24	1.27	! 1	0	.06	154	625	3,047	0
June	.325	0	22	.50	! 1	0	.02	52.7	545	2,899	0
July	.165	0	30	.16	! 1	0	0	3.5	471	2,405	0
Aug.	0	0	! 1	0	! 1	0	0	0	493	3,121	0
Sept.	.495	0	17	.99	! 1	0	.02	44.9	447	2,689	0
Oct.	.690	0	15	1.70	! 1	0	.32	848	589	2,590	0
Nov.	.600	.010	10	1.36	21	0	.38	994	717	2,936	0
Dec.	.575	.020	8	1.26	! 1	.01	.33	894	735	3,306	0
Yearly	0.690	0		1.70		0	0.10	3,195	6,758	30,060	0